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MONTANA OIL AND GAS STATISTICAL BULLETIN

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BOARD OF OIL AND GAS CONSERVATION
SAVINGS BLDG.
HELENA, MONTANA 59601

Vol. XXVI, No. 11 4 **November, 1977**

PRODUCTION STATUS

Production of crude oil and condensate from the oil and gas areas of Montana for the month of November, 1977, averaged 89,206 barrels daily, an decrease of 2,536 barrels from the average 91,742 production in October.

The six refineries in the state processed 134,773 barrels of crude oil daily for the month of November, a increase of 10,407 barrels from the 124,366 barrels processed daily during the month of October.

During November, 54 wells were completed, 19 oil, 13 gas, and 22 dry holes.

During November, the Board issued 86 permits to drill new wells, an decrease of 13 from the 99 permits issued during October.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF NOVEMBER, 1977

IN STORAGE NOVEMBER 1st	
BY Producers	338,219
By Transporters	1,417,601
By Refiners	1,103,471
TOTAL STORAGE	2,859,291
Produced in Mont. During Month	2,676,178
Imported During Month	3,296,183
TOTAL	8,831,652
DISPOSITION	
Refined in Montana	4,043,212
Exported	1,925,246
Used for Fuel or Lost	5,629
TOTAL	5,974,087
IN STORAGE NOVEMBER 30th	
By Producers	347,922
By Transportation	1,210,326
By Refiners	1,299,317
TOTAL STORAGE	2,857,565

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA AT 15.025 LBS. AND 60°F.

MONTH OF NOVEMBER, 1977

Field	MC. Ft.
NATURAL:	
Alma	541
Bear's Den	3,385
Big Coulee	159,669
Black Coulee	3,543
Blackjack	35,925
Big Rock	136,823
Bowdoin	579,686
Bowes	36,497
Brown's Coulee	173
Bullwacker & Area	135,436
Canadian Coulee	66,212
Cedar Creek	159,632
Chip Creek	2,174
Clark Fork, North	471
Coal Coulee	4,714
Conrad-Butte	10,954
Cut Bank (including Reagan)	405,108
Dry Creek	71,766
Dry Creek, Middle	1,987
Ethridge	7,805
Flat Coulee	6,252
Fred & George	—0—
Fresno	6,777
Gold Butte	—0—
Grandview	9,240
Hardin	1,859
Haystack	25,519
Keith Block	86,933
Kevin Sunburst	29,619
Kevin Sunburst Nisku & Area	10,829
Kicking Horse	—0—
Kinyon Coulee Area	6,511
Lake Basin	31,762
Liscom Creek	19,102
Middle Butte	853
Miners Coulee	55,574
Mt. Lilly	2,917
Plevna	4,356
Prairie Dell	42,006
Pumpkin Creek	485
Rapelje	26,284
Rocky Boy Area	15,021
Sage Creek	—0—
Sawtooth Mountain & Area	195,289
Sherard	86,171
Strawberry Creek Area	—0—
Snoose Coulee	15,052
South Devon	14,006
South Shelby	14,604
Swanson Creek	4,790
Tiger Ridge	1,087,828
Trail Creek	—0—
Utopia	42,846
West Butte	188
Whitlash	102,571
Willow Ridge	—0—
ASSOCIATED:	
Bell Creek	33,442
Big Muddy	7,604
Blue Hill	2,659
Cabin Creek	—0—
Clark Fork, South	4,982
Elk Basin	13,305
Fairview	40,456
Four Mile Creek	2,565
Four Mile Creek, West	1,207
Glendive	—0—
Otis Creek	965
Pine	—0—
Richland	56,535
Sioux Pass	18,092
Sioux Pass, East	1,653
Sioux Pass, Middle	5,877
Sioux Pass, North	6,471
Sumatra	15,155
Tule Creek	7,944
TOTAL	3,976,657

Total withdrawals for November, 1976 were 4,179,216 MCF.

PRODUCERS' REPORT—MONTH OF NOVEMBER, 1977

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
3	Arch Apex	4	1,052	767	.....	698	.....	1,121
1	Ash Creek	2	297	731	.....	743	.....	285
1	Bainville	1	2,269	1311	.....	1,311	.....	2,269
1	Bannatyne	1	607	200	.....	200	.....	607
5	Bears Den	6	1,046	921	.....	431	.....	1,536
15	Bell Creek	155	13,883	727,386	724,517	.....	2,113	14,639
1	Benrud	2	154	150	.....	.....	.....	304
3	Benrud East	3	1,835	9,270	9,770	.....	.....	1,335
1	Benrud Northeast	1	870	1,180	1,560	.....	.....	490
1	Berthelote	1	390	95	.....	.....	.....	485
3	Big Gully	3	322	2,345	.....	1,850	(10)	827
3	Big Muddy Creek	4	4,166	8,260	.....	10,288	.....	2,138
5	Big Wall	9	1,289	4,990	4,974	.....	.....	1,305
1	Blackfoot	6	318	1,500	1,261	.....	.....	557
1	Blue Hill	1	614	4,085	.....	4,210	.....	489
6	Border	11	1,127	2,188	.....	1,454	.....	1,861
1	Boulder	1	800	2,342	.....	2,236	.....	906
1	Bowes	61	3,969	10,929	.....	11,242	.....	3,656
1	Bradley	1	151	523	.....	404	.....	270
2	Breed Creek	5	1,339	9,905	.....	9,455	.....	1,789
5	Brorson-Madison	5	2,398	3,195	.....	2,875	.....	2,718
4	Brorson-Red River	4	5,249	7,601	.....	7,701	.....	5,149
3	Brorson-Red River S.	3	1,230	5,438	.....	4,277	.....	2,391
5	Brush Lake	5	903	8,908	8,594	.....	.....	1,217
1	Burns Creek	1	384	457	.....	404	.....	437
2	Cabin Creek	85	.....	141,540	141,146	394	.....	.....
2	Canal	2	709	4,638	.....	3,610	.....	1,737
10	Cat Creek	58	2,128	8,153	8,644	.....	.....	1,637
2	Charlie Creek	2	1,182	12,686	.....	11,845	.....	2,023
...	Clarks Fork	....	37	.....	.....	.....	.....	37
1	Clarks Fork North	1	353	123	.....	234	.....	242
1	Clarks Fork South	1	848	271	.....	.....	.....	1,119
2	Clear Lake	2	1,240	9,818	.....	9,638	.....	1,420
1	Conrad South	2	90	207	.....	207	.....	90
1	Cow Creek	1	103	450	289	.....	.....	264
8	Cow Creek East	10	3,739	19,727	19,988	.....	.....	3,478
1	Culbertson	1	338	479	.....	.....	.....	817
7	Cupton	10	2,827	8,765	.....	7,515	.....	4,077
94	Cut Bank	857	33,575	154,563	125,197	28,591	243	34,107
1	Dagmar	2	1,137	6,189	6,838	.....	.....	488
1	Dean Dome	1	400	441	.....	656	.....	185
1	Deer Creek	1	201	519	.....	.....	.....	720
.	Delphia	...	56	.....	.....	.....	.....	56
....	Devils Basin	....	294	.....	.....	.....	.....	294
7	Dry Creek	7	804	2,747	.....	2,674	.....	877
2	Dwyer	10	4,393	13,463	14,591	.....	.....	3,265
3	Elk Basin	52	499	80,156	80,174	.....	.....	481
2	Elk Basin Northwest	4	1,243	1,488	1,048	421	.....	1,262
5	Fairview	9	7,505	23,368	23,605	.....	.....	7,268
2	Fertile Prairie	2	780	1,163	.....	1,499	.....	444
3	Flat Coulee	19	2,382	10,382	10,270	.....	.....	2,494
8	Flat Lake	50	1,983	47,534	47,163	.....	.....	2,354
5	Flat Lake South	5	1,269	3,247	3,425	.....	.....	1,091
1	Fort Gilbert	2	724	3,604	3,304	.....	.....	1,024
1	Four Mile Creek	1	331	2,257	.....	2,333	.....	255
1	Four Mile Creek West	1	741	1,968	.....	1,679	.....	1,030
1	Frannie	1	.....	690	690	.....	.....	.....
12	Fred & George Creek	34	4,175	40,728	38,372	1,372	.....	5,159
1	Froid South	1	779	595	.....	420	.....	954
1	Gage	1	158	92	.....	215	.....	35
3	Gas City	11	7,454	8,084	.....	11,664	.....	3,874
1	Girard	1	1,064	494	.....	249	.....	1,309
12	Glendive	15	2,622	18,341	13,991	4,473	.....	2,499
....	Golden Dome	....	350	.....	.....	.....	.....	350
12	Goose Lake	19	3,455	14,155	13,304	.....	.....	4,306
12	Graben Coulee	34	3,282	3,447	1,872	1,388	8	3,461
1	Grandview East	1	121	240	.....	214	.....	147
3	Gumbo Ridge	5	635	3,289	.....	2,999	.....	925
4	Gypsy Basin	4	908	1,111	.....	655	617	747
1	Hay Creek-Mission	1	1,000	782	466	.....	.....	1,316
2	Hay Creek-Red River	2	1,596	2,444	2,220	.....	.....	1,820
4	Hiawatha	4	1,733	4,175	4,558	.....	9	1,341
1	Hibbard	1	624	291	.....	211	.....	704
7	High Five	12	3,134	5,173	5,434	.....	14	2,859
...	Highview	....	25	.....	.....	.....	.....	25
1	Horse Creek	1	567	112	.....	.....	.....	679
3	Howard Coulee	3	287	2,157	.....	1,693	.....	751
5	Ivanhoe	7	979	2,399	2,255	.....	.....	1,123
2	Jim Coulee	17	3,085	21,040	21,248	.....	.....	2,877
5	Keg Coulee	15	3,377	6,749	6,765	.....	103	3,258
3	Keg Coulee North	3	1,011	2,869	2,984	.....	13	883
1	Kelley	3	699	1,984	2,306	.....	.....	377
88	Kevin Sunburst	470	13,357	31,148	13,561	17,184	37	13,723
1	Laird Creek	10	911	2,087	1,654	.....	.....	1,344
1	Landslide Butte	1	539	92	.....	.....	.....	631
3	Leary	3	1,237	2,976	.....	2,275	110	1,828
2	Little Beaver	23	156	31,657	31,670	.....	.....	143
3	Little Beaver East	10	2,468	10,153	9,916	261	.....	2,444
13	Little Wall Creek	14	3,901	19,106	19,456	.....	57	3,494
1	Lodge Grass	1	654	491	.....	317	.....	828
2	Lone Butte	2	1,339	3,867	.....	4,125	.....	1,081
6	Lonetree Creek	6	2,908	10,757	.....	10,070	.....	3,595
1	Long Creek	1	389	506	446	.....	.....	449
2	Long Creek West	2	297	6,983	6,593	.....	.....	687
3	Lookout Butte (Coral Creek)	29	889	45,107	45,441	.....	.....	555
2	Mason Lake	2	294	249	364	.....	.....	179
5	Melstone	9	1,145	12,954	13,034	.....	.....	1,065
....	Mineral Bench	....	550	.....	.....	.....	.....	550
2	Miners Coulee	2	464	416	469	.....	.....	411
8	Mon Dak West	9	7,133	34,935	.....	35,254	.....	6,814
10	Monarch	15	3,096	10,785	8,177	2,242	.....	3,462
2	Mosser	4	.....	375	.....	375	.....	.....
1	Nohly	2	871	7,263	.....	7,457	.....	677
1	North Fork	2	624	4,761	.....	4,058	.....	1,327
3	Otis Creek	3	2,649	2,597	.....	2,829	.....	2,417
6	Outlook	7	1,397	13,477	13,493	.....	.....	1,381
1	Outlook South	1	1,071	744	824	.....	.....	991
1	Outlook West	1	1,409	383	359	.....	.....	1,433
1	Pennel	115	1,202	229,555	222,557	.....	.....	8,200
3	Pine	101	13,327	176,708	175,979	1,030	.....	13,026
57	Pondera	286	5,945	23,019	18,959	3,072	1	6,932
6	Poplar	60	8,995	34,652	35,427	1,293	.....	6,927
11	Poplar Northwest	16	2,959	16,758	16,057	437	.....	3,223
1	Prairie Elk	1	674	331	.....	679	.....	326
1	Prichard Creek	4	562	823	1,068	.....	.....	317
1	Putnam	2	692	2,752	.....	2,721	.....	723
3	Rabbit Hills	3	1,520	4,445	.....	4,063	.....	1,902
10	Ragged Point	23	4,583	6,331	7,375	.....	1	3,538
1	Rattler Butte	1	334	611	.....	430	.....	515
2	Rattlesneke Coulee	2	651	229	.....	219	.....	661
2	Raymond	5	2,443	19,059	19,172	.....	.....	2,330
1	Raymond Northeast	1	484	1,252	1,451	.....	.....	285
3	Reagon	49	714	15,669	15,712	.....	.....	671
1	Red Creek	19	.....	7,757	7,757	.....	.....	.....
1	Red Fox	1	151	271	214	.....	.....	208
1	Redstone	1	312	1,081	.....	898	.....	495
1	Repeat	1	785	1,039	.....	1,521	.....	303
2	Reserve	2	2,675	1,537	1,752	.....	.....	2,460
2	Richey	3	221	2,603	1,532	877	.....	415
1	Richey Southwest	5	555	683	.....	1,052	.....	186
2	Rip Rap Coulee	2	1,106	1,625	.....	1,625	.....	1,106
4	Rosebud	4	1,117	2,196	2,154	.....	.....	1,159
1	Rush Mountain	1	194	1,915	.....	1,901	.....	208
2	Salt Lake	3	570	1,916	.....	2,035	.....	451
2	Sand Creek	4	402	2,414	2,414	.....	.....	402
4	Second Creek	4	1,198	18,536	.....	18,773	.....	961
2	Sheepherder	2	627	418	340	.....	55	650
1	Shotgun Creek North	1	367	3,082	.....	3,293	.....	156
4	Sidney	4	1,831	6,806	.....	6,474	.....	2,163
7	Sioux Pass	7	5,312	28,092	.....	27,889	.....	5,515
1	Sioux Pass East	1	148	1,789	.....	1,560	.....	377
2	Sioux Pass, Middle	2	1,578	8,128	.....	8,098	.....	1,608
5	Sioux Pass North	5	4,901	10,685	.....	11,607	.....	3,979
1	Snyder	3	447	240	.....	204	.....	483
8	Soap Creek	23	3,349	4,078	.....	5,256	.....	2,171
2	South Fork	2	2,006	12,244	.....	12,651	.....	1,599
1	Spring Lake	2	1,009	2,039	.....	2,163	.....	885
1	Stensvad	3	1,687	2,739	3,338	.....	.....	1,088
29	Sumatra	111	11,289	154,458	155,555	.....	115	10,077
5	Tule Creek	5	3,955	12,713	14,231	.....	.....	2,437
1	Tule Creek East	1	668	596	.....	.....	.....	1,264
2	Tule Creek South	3	878	1,143	.....	843	.....	1,178
3	Vaux	3	3,763	10,613	.....	10,194	4	4,178
1	Vaux South	1	1,182	5,816	.....	6,400	.....	598
2	Vida	2	740	196	.....	432	.....	504
6	Volt	6	2,987	7,976	7,850	.....	.....	3,113
1	Wagon Box	1	342	66	.....	207	.....	201
1	Weed Creek	1	445	705	.....	660	.....	490
3	Weldon	3	1,225	1,047	683	.....	.....	1,589
1	West Butte	1	.....	722	355	.....	.....	367
29	Whitlash	61	11,308	13,995	8,542	2,794	.....	13,967
...	Whitlash West	....	284	.....	.....	.....	.....	284
2	Willow Creek North	2	571	560	504	.....	.....	627
1	Willow Ridge	1	.....	209	.....	209	.....	.....
3	Wills Creek South	3	.....	2,752	2,752	.....	.....	.....
3	Winnett Junction	6	700	2,437	.....	2,601	.....	536
2	Wolf Springs	2	544	981	.....	.....	.....	1,525
...	Womans Pocket	....	271	.....	.....	.....	.....	271
2	Woodrow	2	46	2,108	1,885	.....	.....	269
2	Wright Creek	3	1,783	838	.....	1,302	.....	1,319
1	Wildcat, Big Horn County	1	223	381	.....	203	.....	401
3	Wildcat, Liberty County	4	602	4,187	.....	3,266	.....	1,523
..	Wildcat, McCone County	....	52	.....	.....	.....	.....	52
2	Wildcat, Musselshell Co.	2	108	2,293	.....	1,672	9	720
7	Wildcat, Richland Co.	7	3,592	21,523	.....	22,074	.....	3,041
...	Wildcat, Roosevelt Co.	....	249	.....	.....	.....	.....	249
3	Wildcat, Toole County	3	1,087	1,411	.....	903	.....	1,595
1	Wildcat, Wibeux Co.	1	251	412	.....	425	.....	238
793	TOTAL	3329	338,219	2,676,178	2,243,895	419,081	3,499	347,922

TRANSPORTERS MONTHLY REPORT—MONTH OF NOVEMBER, 1977

	Storage First of Month	Oil Received By			Loss or Gain	Oil Shipped To			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			743				743		
BAINVILLE—Koch Oil Co.			1,311				1,311		
BEAR'S DEN—Philips Petr			431			431			
BELL CREEK—Pipeline	31,126	724,517		90,126			815,471		30,298
BIG GULLY—Western Crude & Husky Oil			1,850				969	881	
BIG MUDDY—Koch Oil & Black Hills			10,288				10,288		
BIG WALL—Continental		4,974				4,974			
BORDER—Permian & N.M O S			1,454			1,040		414	
BOULDER—R. P. Trading Co.			2,236				2,236		
BOWES—Koch Oil Co.			11,242				11,242		
BREED CREEK—Black Hills Oil Marketers			9,455			9,455			
BRORSON-MADISON, BRORSON-RED RIVER, & BRORSON R R. SOUTH—Koch Oil Co			10,809					10,809	
Western Crude Oil			4,044					4,044	
			14,853					14,853	
BRUSH LAKE—PORTAL Pipeline Co.		8,594					8,594		
BURN'S CREEK—Western Crude Oil			404					404	
CABIN CREEK & OTHERS[1]									
Butte Pipeline Co.	268,899	370,022	31,567	461,547			833,532	90,126	208,377
Shell Pipeline Co.	2,600	267,616			13			267,236	2,967
	271,499	637,638	31,567	461,547	13		833,532	357,362	211,344
CANAL—Koch Oil Co			3,610					3,610	
CAT CREEK—Continental		8,644				8,644			
CHARLIE CREEK—Black Hills Oil Marketers			11,845					11,845	
CLARKS FORK—Husky Oil			234				234		
CLEAR LAKE—Wesco — U.S. Crude			9,638		10	7,198		2,430	
COW CREEK & COW CREEK EAST—Western Crude Oil, Inc.		20,277						20,277	
CUT BANK—									
Permian Corp			26,389					26,389	
Phillips Petroleum Co.	24,206	50,590	5,762	65,974	363	119,607		8,025	18,537
Texas Pipeline Co	18,775	12,896						15,042	16,629
Union Oil Co	54,106	49,557		19,894	1,850	25,783		71,783	24,141
Western Oil Trans. Co.		24,056						24,056	
Western Oil Trans. Co. (Moulton)		14,082						14,082	
	97,087	151,181	32,151	85,868	2,213	145,390		159,377	59,307
DAGMAR—Portal Pipeline		6,838					6,838		
DEAN DOME—Cenex			656			656			
DRY CREEK—Husky Oil			2,674				2,674		
DWYER—Portal Pipeline Co.		14,591					14,591		
ELK BASIN & ELK BASIN N W									
Marathon Pipeline		81,222				40,003	41,219		
Permian Corp			421			421			
		81,222	421			40,424	41,219		
FAIRVIEW—									
Fairview Pipeline Co.		4,449						4,449	
Koch Oil Co.		19,156						19,156	
		23,605						23,605	
FLAT COULEE—Phillips Petro.		10,270				10,270			
FLAT LAKE & FLAT LAKE SO. Portal Pipeline.		50,588					50,588		
FORT GILBERT—Fairview Ppln.		3,304						3,304	
FOUR MILE CREEK—Western Crude & U.S. Crude			4,012					4,012	
FRANNIE—Interstate P/L Co		690				690			
FRED & GEORGE CR —Phillips Petr	13,676	38,372	936		218	43,243			9,523
GAGE—Northwest Crude			215			215			
GIRARD—Koch Oil Co.			249					249	
GAS CITY, GLENDIVE, DEER CREEK, WOODROW & SAND C—Koch Oil Co.			2,592					2,592	
Texas Pipeline Co	6,444	18,290						15,780	8,954
Western Crude Oil			565					565	
	6,444	18,290	3,157					18,937	8,954
GOOSE LAKE—Portal Pipeline		13,304					13,304		
GUMBO RIDGE—Permian			2,999					2,999	
HAY CREEK—Koch Oil & Westco		2,686				1,311		1,375	
HIAWATHA—Continental Pipeline Co.		4,558				4,558			
HOWARD COULEE—Permian			1,693					1,693	
IVANHOE—Continental Pipeline		2,255				2,255			
JIM COULEE—Contental P/L Co.		21,248				21,248			
KEG COULEE & KEG COULEE NO Continental Pipeline Co.		9,749				9,749			
KELLEY—Continental Pipeline Co.		2,306				2,306			
KEVIN SUNBURST—									
Big West Oil Co.	24,423	22,149						27,263	19,309
Homestake Oil & Gas Co.	2,460	5,528				4,836			3,152
Texas Pipeline Co.	8,474	7,578		26,580				32,917	9,715
Northern Mont. Oil Service	1,988		17,610			18,328			1,270
	37,345	35,255	17,610	26,580		23,164		60,180	33,446
LAIRD CREEK—Phillips Petro. Co.		1,654				1,654			
LEARY—Western Crude			2,275					2,275	
LODGEGRASS—Permian			317			317			
LONE TREE CREEK—Koch Oil Co.			10,070					10,070	
MASON LAKE—Continental P/L Co		364				364			
MELSTONE—Continental P/L Co.		13,034				13,034			
MIDDLE WALL[2]—Continental P/L Co.		19,960				19,960			
MONDAK WEST—Western Crude			35,254			12,663		22,591	
MOSSER—Permian Corp.			375			375			
NOHLY-Koch Oil Co.			7,457					7,457	
NORTH FORK—Koch Oil Co.			4,058					4,058	
OTIS CREEK—Western Crude			2,829		3		2,826		
OUTLOOK, OUTLOOK SO., & OUTLOOK WEST Portal Pipeline Co.		14,676					14,676		
PONDERA—Phillips Petr.	35,918	18,959	4,134		1,975	28,128			28,908
POPLAR AREA—East Poplar Gather[3]	5,117	93,680			420		92,431		5,946
PRAIRIE ELK—Western Crude			679					679	
PUTNAM—Western Crude Oil			2,721					2,721	
RABBIT HILLS—Koch Oil			4,063				4,063		
RAGGED POINT—Continental P/L Co		7,375				7,375			
RATTLER BUTTE—Continental Oil			430			430			
RAYMOND—Portal Pipeline		20,623					20,623		
RED CREEK—Western Oil Trans		7,757						7,757	
REDSTONE—Koch Oil Co			898					898	
RESERVE—Portal Pipeline		1,752		12,749			14,501		
RIPRAP COULEE—Koch Oil			1,625				1,625		
ROSEBUD—Continental Pipeline		2,154				2,154			
RUSH MOUNTAIN—Koch Oil			1,901					1,901	
SALT LAKE—Koch Oil			2,035					2,035	
SECOND CREEK—Koch Oil & Westco.			18,773			879		17,894	
SHEEPHERDER—Continental P/L Co		340				340			
SHOTGUN CREEK NORTH—			3,293				3,293		
SIDNEY—Western Crude			6,474			1,736		4,738	
SIOUX PASS—Western Crude & Koch Oil			49,154			18,834		30,320	
SNYDER—Permian			204					204	
SOAP CREEK—Permian			5,256					5,256	
SOUTH FORK—Koch Oil Co			12,651					12,651	
SPRING LAKE—Koch Oil			2,163					2,163	
SUMATRA, STENSVAD, & HIGH FIVE—Continental P/L Co	907,399	164,327		78,304	(2784)	336,279			816,535
TULE CREEK, BENRUD, VOLT, & OTHERS[4]—Kenco Refiners & Western Crude	11,990		9,564		62	15,427			6,065
VAUX—Western Crude Oil & Koch Oil			16,594			9,430	6,400	764	
WEED CREEK—Black Hills Oil Marketers			660			660			
WELDON—Western Crude		683						683	
WHITLASH & WHITLASH WEST—Phillips Petro. Co		8,542	2,794			11,336			
WINNETT JUNCTION—Truck			2,601			2,601			
WRIGHT CREEK—Western Crude Oil			1,302					1,302	
WILDCAT WELLS			28,543			8,977	2,132	17,434	
TOTAL	1,417,601	2,270,836	419,081	755,174	2,130	830,174	1,976,404	843,658	1,210,326

[1]Cabin Creek, Little Beaver, Lookout Butte, Monarch, Pennel, Pine, & Wills Creek South.
[2]Little Wall Creek, & Willow Creek North.
[3]Benrud, Long Creek, Poplar, Richey, Tule Creek, Volt, & Red Fox
[4]Benrud, Blue Hills, Culbertson, Froid South, Poplar, Richie, Tule Creek South, & Vida.

*Includes various fields in northwestern and central Montana

BARRELS OF CRUDE OIL REFINED IN MONTANA
NOVEMBER, 1977

	Continental Oil Co.	Exxon Co.	Farmers Union	Kenco Ref., Inc.	Phillips Petr. Co.	Westco Ref. Co.	TOTAL
BIG WALL	.....	.....	4,974	.....	.....	.....	4,974
CAT CREEK	2,244	.....	634	.....	.....	.....	2,878
CUT BANK & OTHERS*	139,625	32,340	.....	.....	76,238	105,917	354,120
ELK BASIN	17,725	22,278	421	.....	.....	.....	40,424
FLAT COULEE	.....	.....	.....	.....	.....	10,270	10,270
FRED & GEORGE CREEK	.....	.....	.....	.....	40,130	.....	40,130
IVANHOE	2,255	.....	.....	.....	.....	.....	2,255
JIM COULEE	21,248	.....	.....	.....	.....	.....	21,248
KEG COULEE	7,660	.....	2,089	.....	.....	.....	9,749
KELLEY	.....	2,306	.....	.....	.....	.....	2,306
KEVIN-SUNBURST	.....	.....	.....	.....	.....	26,639	26,639
LODGE GRASS	.....	.....	.....	.....	.....	.....	.....
MASON LAKE	364	.....	.....	.....	.....	.....	364
MELSTONE	.....	.....	.....	.....	.....	.....	.....
MOSSER	375	.....	.....	.....	.....	.....	375
PONDERA	.....	.....	.....	.....	13,549	.....	13,549
RAGGED POINT	6,690	.....	.....	.....	.....	.....	6,690
ROSEBUG	2,154	.....	.....	.....	.....	.....	2,154
RICHEY SOUTHWEST	.....	.....	.....	2,361	.....	.....	2,361
SNYDER	.....	.....	.....	.....	.....	.....	.....
SUMATRA, STENSVAD, & HIGH FIVE	115,556	3,455	.....	.....	.....	.....	119,011
TULE CREEK & OTHERS	.....	.....	.....	64,165	.....	.....	64,165
VAUX	.....	.....	.....	9,430	.....	.....	9,430
VOLT	.....	.....	.....	.....	.....	.....	.....
WHITLASH	.....	.....	.....	.....	.....	11,336	11,336
WINNET JCT.	.....	.....	2,601	.....	.....	.....	2,601
WOLF SPRINGS	.....	.....	.....	.....	.....	.....	.....
TOTAL Montana Oil	315,896	60,379	10,719	75,956	129,917	154,162	747,029
North Dakota Oil Imported	.....	.....	.....	.....	.....	.....	.....
Canadian Oil Imported	833,706	308,803	677,883	.....	51,938	.....	1,872,330
Wyoming Oil Imported	317,876	769,782	336,195	.....	.....	.....	1,423,853
TOTAL Montana, North Dakota, Canadian, & Wyoming Oil	1,467,478	1,138,964	1,024,797	75,956	181,855	154,162	4,043,212

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	N. Dakota	TOTAL
Year, 1976	23,272	64,192	50,029	.....	137,493
November, 1976	24,729	69,510	45,954	.....	140,193
November, 1977	24,901	62,411	47,461	.....	134,773

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming	N. Dakota
Year, 1976	16.93%	46.69%	36.38%	.....
November, 1976	17.64%	49.58%	32.78%	.....
November, 1977	18.48%	46.31%	35.21%	.....

Total oil produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1976	32,840,600	89,728	32,839,588	89,726
First Quarter, 1977	8,048,345	89,426	7,621,387	84,682
Second Quarter, 1977	8,198,925	90,098	8,205,476	90,170
Third Quarter, 1977	8,315,069	90,381	8,289,729	90,106
October 1977	2,844,003	91,742	2,831,192	91,329
November 1977	2,676,178	89,206	2,662,976	88,766

Oil in Storage	In Producers Field Tanks	In Transporters Porters Storage	In Refiners Storage	Total In Storage
December, 1976	304,047	1,335,168	1,134,168	2,773,383
March, 1977	328,392	1,068,110	1,390,454	2,786,956
June, 1977	310,968	1,319,341	1,412,890	3,043,199
September, 1977	326,634	1,186,720	1,174,177	2,687,531
October, 1977	338,219	1,417,601	1,103,471	2,859,291
November, 1977	347,922	1,210,326	1,299,317	2,857,565